

Division of Solid and Hazardous Waste
P.O. Box 414
Trenton, NJ 08625-0414
Tel. No. (609) 984-6900
Fax No. (609) 633-9839

Mr. James Rutala, Vice President
c/o Atlantic County Utilities Authority
P.O. Box 996
Pleasantville, NJ 08232-0996

RE: Revision to Solid Waste Facility Permit
Atlantic County Utilities Authority (ACUA) Sanitary Landfill and
Transfer Station/Materials Recovery Facility
Facility No. 0108001165 and Facility No. 0108000027
Egg Harbor Township, Atlantic County

Dear Mr. Rutala:

I am enclosing herewith a revised Solid Waste Facility Permit (Permit) for the ACUA Solid Waste Facility (SWF) located in Egg Harbor Township, Atlantic County. The Permit for the ACUA SWF was last revised and issued on October 25, 2000.

A minor modification to said Permit was requested by your office in a letter addressed to the New Jersey Department of Environmental Protection (the "Department") dated April 10, 2002. The requested modifications include changes to the capping system, sideslope regrading and eliminating sideslope benches. The regrading of the sideslopes and eliminating the benches are intended to increase the capacities of Cells 1 through 4. Approximately 450,000 cubic yards of additional capacity will be gained through the redesign of the sideslopes. Additionally, as requested in your letter dated June 11, 2002, the sanitary landfill can now take vegetative waste, except leaves. The modifications the Department agreed to are reflected in the enclosed Permit. All items modified in the Permit are indicated in bold type. No other modification has been approved by the Department.

Conditions have been incorporated within this Permit that must be complied with in order for it to remain valid. The Department will consider modification of the Permit following the procedures set forth in N.J.A.C. 7:26-2.6(a)4. This Permit is non-transferable.

If you have any questions regarding this matter, please contact Mr. Sukhdev Bhalla, Chief, of the Bureau of Landfill and Recycling Management, at (609) 984-6650.

Sincerely,

Thomas Sherman
Assistant Director
Office of Permitting and Technical

Programs

TS:tm

Enclosures

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Cc: Rai Belonzi, Bureau of Inspections & Investigations (with
enclosures)

Division of Solid and Hazardous Waste
P.O. Box 414
Trenton, New Jersey 08625
Tel. No. (609) 984-6900
Fax No. (609) 633-9839

SOLID WASTE FACILITY PERMIT

For

Atlantic County Utilities Authority Sanitary Landfill
And Transfer Station/Materials Recovery Facility

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this Solid Waste Facility Permit (Permit) is hereby issued to:

Atlantic County Utilities Authority

FACILITY TYPES:	<u>Sanitary Landfill and Transfer Station/ Materials Recovery Facility</u>
FACILITY NUMBER:	<u>0108001165(Landfill)</u>
LOT NO.(S):	<u>13,12,11,10&1,2&1,2,3,4,5&1,2 & 6,7 & 1,2,3</u>
BLOCK NO.(S):	<u>603 & 604 & 605 & 606 & 607 & 703</u>
FACILITY NUMBER:	<u>0108000027 (TS/MRF)</u>
LOT NO.(S):	<u>4 and 16</u>
BLOCK NO.(S):	<u>703</u>
MUNICIPALITY:	<u>Township of Egg Harbor</u>
COUNTY:	<u>Atlantic</u>
PERMIT EXPIRATION DATE:	<u>August 31, 2003</u>

This Permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department) as same may be amended in the future. Any references herein to specific regulations include any future amendments thereto.

This Permit shall not prejudice any claim the state may have to riparian land, nor does it allow the Permittee to fill or alter or allow to be filled or altered in any way, lands that are deemed to be riparian, wetlands, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the

Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this state without prior acquisition of the necessary grants, permits or approvals from the Department. Compliance with the terms of this Permit does not relieve the Permittee of the obligation to comply with all applicable state and federal statutes, rules and other permits.

Failure to comply with all of the conditions specified herein may result in revocation of this Permit and/or other regulatory or legal actions which the Department is authorized to institute by law.

This Permit is non-transferable without approval from the Department pursuant to N.J.A.C. 7:26-2.7(e).

March 18, 1992

Original Date of Issuance Thomas Sherman
(Limited Use Landfill) Assistant Director
Office of Permitting and Technical
Programs

November 5, 1990

Original Date of Issuance
(Transfer Station/Materials Recovery Facility)

September 8, 1998

Date of Repermitting

August 24, 1999

Date of Modification

July 6, 2000

Date of Major Modification

October 25, 2000

Date of Modification

June 27, 2002

Date of Modification

This is a Solid Waste Facility Permit for the Atlantic County Utilities Authority Sanitary Landfill (Landfill) and the Transfer Station/ Materials Recovery Facility (TS/MRF), located in Egg Harbor Township, Atlantic County, Facility Numbers 0108001165 (Landfill) and 0108000027 (TS/MRF).

This Permit is contingent upon compliance with and implementation of the following:

A. GENERAL CONDITIONS

1. Permitted Waste Types (revision date July 8, 2002)

(a) Landfill

The following solid waste materials as identified by waste type numbers and defined in N.J.A.C. 7:26-2.13(g), may be accepted for disposal at the landfill:

<u>Type</u>	<u>Waste Description</u>
10	Municipal solid waste (household, commercial, and institutional)
13	Bulky waste
13C	Construction and demolition waste
23	Vegetative waste (<u>leaves</u> are prohibited)
27	Dry industrial waste
27A	Waste material consisting of asbestos or asbestos containing waste

(b) TS/MRF

The following solid waste materials as identified by waste type numbers and defined in N.J.A.C. 7:26-2.13(g), may be accepted for processing and/or transfer at the TS/MRF:

<u>Type</u>	<u>Waste Description</u>
10	Municipal solid waste (household, commercial and institutional)
13	Bulky waste
13C	Construction and demolition waste
23	Vegetative Waste

25	Animal and Food Processing Waste
27	Dry industrial waste

2. Prohibited Waste Types

The following waste materials, liquid or solid, as identified by waste type numbers and defined in N.J.A.C. 7:26-2.13(g) and (h), may not be accepted for disposal at the landfill or for processing and transfer at the TS/MRF, unless otherwise noted:

<u>Type</u>	<u>Waste Description</u>
12	Dry sewage sludge
25	Animal and Food Processing Waste (prohibited only at the landfill)
27A	Waste material consisting of asbestos or asbestos containing waste (prohibited only at the TS/MRF)
27I	Waste material consisting of incinerator ash or ash containing waste
72	Bulk liquid and semiliquids
73	Septic tank clean-out wastes
74	Liquid sewage sludge

Leaves pursuant to N.J.S.A. 13:1E-99.21.

Regulated Medical Waste, Class 1 through 7, as per N.J.A.C. 7:26-3A.5.

Hazardous Waste as defined, identified or otherwise classified in N.J.A.C. 7:26G-5.

3. Recyclables

Recyclable materials designated in the Atlantic County District Recycling Plan to be source separated pursuant to N.J.S.A. 13:1E-99.11 and 99.13b(2) shall not be accepted for disposal at the landfill or the TS/MRF.

Any recyclable materials described above, detected in a load of waste accepted at the landfill or TS/MRF shall be handled by the Permittee pursuant to the landfill or TS/MRF's Operation and Maintenance Manual.

4. Recycling Center

A recycling center building to process Class A recyclable materials is permitted to operate at the site in accordance with the approval issued by the Department on February 28, 1991.

5. Haulage Vehicles

Only vehicles properly registered, pursuant to N.J.A.C. 7:26-3, with the Department, unless exempt from the registration requirements pursuant to N.J.A.C. 7:26-3.3, and displaying the appropriate registration number and solid waste decal shall be admitted for loading and unloading of any solid waste at the facility. The facility shall be operated in accordance with N.J.A.C. 7:26-2.11.

6. Waste Delivery Haul Routes & Traffic Control

The Permittee shall ensure that all solid waste collection/haulage vehicles that access and egress the facility adhere to the designated primary truck routes as described in the Operation and Maintenance Manual for the landfill and the TS/MRF. The Permittee shall post at the facility and provide photocopies to the users of the facility the primary truck routes.

All vehicles hauling waste shall enter the site from Delilah Road, which is the main access. Facility related vehicles shall not be backed, parked or queued on public streets or roads.

Waste deliveries to the facility shall be scheduled in such a manner as to minimize truck queuing on the facility property. Under no circumstances shall delivery trucks be allowed to back up onto public roads. Delivery vehicles shall adhere to the assigned truck routes.

If the traffic generated by the operation of the facility results in congestion of surrounding roads, corrective measures shall be promptly developed, submitted to the Department for approval and subsequently implemented to alleviate any respective traffic related problems.

The Department reserves the right to require the Permittee to perform additional traffic surveys, if necessary, if all or part of the waste is redirected by the Permittee to out of county disposal facilities for an indefinite period of time.

7. On-site Traffic Control

On-site traffic control measures shall be implemented to provide for orderly vehicle movement on the facility grounds. The measures implemented shall include the appropriate use of lane delineations, signals and signs. All delivery trucks shall queue, as necessary, in areas designated for that purpose. All on-site roadways, except the temporary roads on the active areas

of the landfill, utilized for vehicle traffic shall be constructed and maintained to withstand heavy traffic usage.

For the TS/MRF, queuing and staging of collection, transfer and recycling vehicles shall occur only in the respective areas designated for that purpose in accordance with the site plan referenced in Condition C.1 of this Permit.

8. Unauthorized Waste

The program currently established for detecting and preventing the disposal of regulated hazardous waste and other unauthorized waste shall be maintained. The program shall include the random inspections of incoming loads, recording any inspections, and training of facility personnel to recognize regulated hazardous waste. The program shall include the following:

- (a) Any truck suspected of hauling hazardous waste shall be stopped and inspected. Any vehicle found to be carrying a hazardous waste material as defined at N.J.A.C. 7:26G-5 shall not be permitted to unload at the facility.
- (b) Continuous visual monitoring of the discharged waste shall be conducted by facility personnel. Any suspected unacceptable waste shall be removed from the processing stream.
- (c) Any regulated medical waste delivered to the facility shall be handled as described in the operations and maintenance manual prepared for the facility. Any suspected hazardous waste or liquids found in a load accepted at the facility shall not be returned to the generator. Such material shall be segregated and stored in a secure manner and the discovery of any such wastes at the facility shall immediately be brought to the attention of the Bureau of Hazardous Waste Compliance and Enforcement (609) 584-4250. After-work hours and weekend (or holiday) incidents shall be immediately reported to the NJDEP Environmental Action Line at 1-877-WARN DEP. The Permittee shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel.

9. Hours of Operation & Processing

The transfer station/materials recovery facility (TS/MRF) shall accept waste between the hours of 7:00 a.m. and 4:00 p.m., Mondays through Sundays. The landfill shall operate Mondays through Saturdays. Bulky and industrial waste shall be landfilled prior to the municipal solid waste. Municipal solid waste shall not be landfilled prior to one hour after sunset. All landfilling activities, with the exception of maintenance and monitoring, shall cease at least one hour before sunrise of

the next day. Any waste not yet landfilled shall be taken to another solid waste facility for disposal. No waste shall be landfilled on Sunday nights.

The Department shall be notified of any changes in the operating hours of the facility. The entrance gate shall be posted with the aforementioned operating hours of the facility.

10. Vector Control

The sanitary landfill shall be operated in a manner, which minimizes the propagation and harborage of insects, rodents and birds. Cover material shall be applied as needed to control vectors. An effective vector control program shall also be instituted and maintained at the TS/MRF.

If vectors still present a problem, the Permittee shall implement a program in compliance with the requirements of the New Jersey Pesticide Control Code, N.J.A.C. 7:30, by an applicator of pesticides certified in accordance with N.J.A.C. 7:30.

11. Noise Control

Noise control shall be implemented to ensure that sound levels generated by the facility operation, including vehicles, do not exceed the standards set forth by the New Jersey Noise Control Regulations at N.J.A.C. 7:29-1.2.

The Permittee shall prevent the continued entry to the facility of any vehicle not equipped with proper operating muffler systems or those vehicles which create excessive noise.

The Department reserves the right to require the Permittee to perform additional noise surveys to ensure continued compliance with N.J.A.C. 7:29.

12. Odor Control

The operation of the facility shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, except for malodorous emissions emanating from the landfill which result in odors in areas over which the owner and/or operator has exclusive use or occupancy.

Malodorous emissions shall be controlled by the use of daily cover at the landfill. In the event that this is not satisfactory, a suitable deodorant shall be used. Malodorous solid waste shall be covered immediately after unloading with a minimum of six inches of cover material or approved alternative material.

For the operation of the TS/MRF, the Permittee shall comply with the conditions of the Air Pollution Control Permit issued by the Department's Air Pollution Control Program pursuant to N.J.A.C. 7:26-8.2.

13. Soil Erosion and Sediment Control

The Permittee shall comply with all requirements of the Soil Erosion and Sediment Control Plan as certified by the Cape-Atlantic Soil Conservation District. All soil erosion and sediment control practices shall be installed in their proper sequence and be regularly maintained.

14. Transition Areas

The Permittee shall establish and maintain transition area(s) that are consistent with and in compliance with the requirements of all CAFRA, Freshwater Wetland and Stream Encroachment Permits that have been issued or which may be issued in the future, by the Division of Coastal Resources.

15. Bird Control and Deterrent Program

The Bird Control and Deterrent Plan incorporated in the Operation and Maintenance Manual and currently implemented shall be adhered to. The Department reserves the right to require additional or modified controls to ensure that the Bird Control and Deterrent Program remains effective or revoke the Permit if the Plan becomes ineffective. Any modification in said Plan shall require the Department's approval.

16. Fire Safety

An adequate water supply and/or fire fighting equipment shall be readily available on-site or on call to extinguish all fires. In case of a fire, the Permittee shall immediately notify the local police and fire department having jurisdiction and the NJDEP action line 1-877-WARN DEP. The Permittee shall be responsible for initiating and continuing fire-fighting actions until all smoldering, smoking and burning ceases. The Permittee shall seek and obtain fire-fighting assistance if smoldering, smoking or burning persists for longer than 24 hours. The Permittee shall ensure that local fire companies are thoroughly versed in the emergency plan of action for a fire at the facility.

Fire-fighting procedures and emergency procedures shall be posted prominently in the work area and shall include the telephone numbers of local fire, police, ambulance and hospital facilities. For the TS/MRF, the fire detection and protection system shall be maintained in operable condition at all times.

17. Security

Access to the site shall be restricted to facility personnel, authorized vehicles and authorized visitors only. Security

procedures shall be implemented that provide for an effective means of controlling entry and exit at all times. Guards, attendants, visual monitors, or locked gates shall be utilized at all site entrance and exit roadways.

18. Safety Procedures

A copy of the operating safety procedures shall be posted prominently in the work area. The Permittee shall follow the Occupational Safety and Health Administration (OSHA) standards in the construction and operation of this facility for the safety of contractors, employees and other persons entering the premises.

Additionally, appropriate facility staff shall be trained to effectively respond to any equipment malfunction or emergency situation that may arise during facility operation.

19. Housekeeping

Routine housekeeping and maintenance procedures shall be implemented within the facility interior to prevent the accumulation of dust and debris on the public roads and to maintain general cleanliness in the working environment.

Litter at the landfill shall be controlled through the use of moveable fences of sufficient height or by an equivalent means. The litter fence shall be policed daily, and the litter collected shall be properly disposed of at the working face of the landfill.

Dust control at the landfill shall be affected by the spraying of water or the spreading of calcium chloride or an equivalent method approved by the Division as needed. Spraying of waste oil is prohibited.

The TS/MRF exterior grounds shall be maintained in a manner free of litter and debris. All areas within the TS/MRF where solid waste has come in contact shall be cleaned daily in accordance with the housekeeping plans of the O AND M manual. All TS/MRF floor drains, oil/water separator and catchment basins shall be maintained free of obstruction to facilitate effluent drainage.

Mud, soil, or other materials shall not be tracked onto any public roads by exiting vehicles. Effective measures shall be implemented to comply with this condition. If these measures prove ineffective in controlling soil tracking, the Permittee shall remove all soil or other materials from the tires of exiting vehicles by means of a high pressure steam (or water) cleaning apparatus combined with a rumble rack.

20. Facility Operator

Any private individual, entity or corporation selected by the Permittee to operate part or all of the facility activities shall be fully registered with the Department to conduct solid waste business in the State of New Jersey pursuant to the provisions set forth at N.J.A.C. 7:26-16.

21. Facility Personnel Training

All personnel who are directly involved in facility waste management activities or who operate, service or monitor any facility equipment, machinery or system shall successfully complete an initial program of classroom instruction or on-the-job training which includes instruction in the operations and maintenance of the equipment, machinery and systems and which teaches them to perform their duties in a manner that ensures the facility's compliance with the requirements of N.J.A.C. 7:26 and the conditions of all Departmental permits issued to the facility.

The training program shall ensure that appropriate facility personnel are able to effectively respond to any equipment malfunction or emergency situation that may arise. The training program shall provide instruction in the use of safety equipment, procedures for inspecting and repairing facility equipment, machinery and monitoring systems and the procedures to be followed during planned or unplanned shutdown of operations.

The training program shall require regular monitoring of incoming loads and shall include instruction related to identification and proper handling of suspected unauthorized waste types. Instruction in fire training and noise monitoring shall be provided to appropriate personnel.

22. Facility Staffing

The facility shall maintain sufficient staff to ensure proper, orderly, and safe operation of all materials handling, processing, monitoring and control, safety, emergency, and security equipment items. Concurrently, the level of staffing shall provide the capability to handle all routine facility maintenance requirements and also to respond to all emergencies.

A fully trained and qualified foreman or supervisor who is designated and authorized by the Permittee to direct and implement all operational decisions shall be present at the facility during all operating hours.

23. Suspension of Landfill Operations, Plan of Action and Emergency Actions

A pilot reporting any incident of a bird strike and/or birds towering over the landfill and within the approach/departure and/or traffic pattern associated with Runway 13-31 of the Atlantic City International Airport shall constitute an emergency. ACUA shall suspend the landfilling of municipal solid waste until the Federal Aviation Administration (FAA), South Jersey Transportation Authority (SJTA), the Department and ACUA can meet to review the incident.

The Department has the right to suspend municipal solid waste landfilling activity if during an inspection by the Department or upon notification by federal, county, or state agencies to the Department that any of the following events occurred or is occurring;

- a. failure to immediately cover waste under any circumstances;
- b. failure to submit the bird monitoring and surveying report;
- c. failure by the Permittee to submit the annual report as required by the Department's October 21, 1999 certification of the July 2, 1999 amendment to the Atlantic County District Solid Waste Management Plan referenced at Condition I.7(3) of Section B of this permit;
- d. failure to notify the Department and Atlantic City International Airport regarding bird problems at the landfill; and,
- e. changes in the bird monitoring and deterrent plan of the Operations and Maintenance Manual without Departmental approval.

ACUA shall develop a plan of action for approval by the Department if any of the following events occur;

1. a dramatic increase in birds during counts at the Atlantic City International Airport;
2. any birds showing up at night at the landfill; and,
3. if during the current surveying month, the number of gulls exceeded the baseline peak number for that month three or more times (the baseline peak number for that month shall be based on the highest number of gulls sighted by the ACUA Biologist for that specific month during the surveying years 1998 and 1999).

In case of suspension of municipal solid waste landfilling, all municipal solid waste shall be taken immediately to a regulated solid waste facility for disposal. The landfill shall only resume operations upon the approval of the Department.

In the event of any other emergency, all measures outlined in N.J.A.C. 7:26-2A.8(b)42 shall be followed. The Department shall be notified immediately at 1-877-WARNDEP.

In the event of a TS/MRF outage or other significant malfunction, which would result in the TS/MRF's inability to process waste at a rate equal to or exceeding the rate of incoming waste, the Permittee shall immediately report such incidents to the Division of Solid and Hazardous Waste at (609) 984-6900. At no time shall the capacity of the tipping area be exceeded nor shall vehicles be permitted to queue in areas other than as designated in the documents that are listed in Condition C.1 (Referenced Engineering Plans and Reports) of this Permit.

24. Plans On-Site

The following items shall be kept at the facility and shall be made available for inspection by Department personnel or its designated representatives;

1. one complete set of the approved engineering plans;
2. the engineering reports;
3. the most recent "Final Operation and Maintenance Manuals";
4. the operations record;
5. a copy of the environmental and health impact statement;
and
6. a copy of the most recent Solid Waste Facility Permit.

25. As-Built Certification

Upon completion of construction of each cell of the landfill, a certification by a New Jersey Licensed Professional Engineer with expertise in civil or geotechnical engineering shall be provided as specified in N.J.A.C. 7:26-2A.7(a)20 through 24. The certification shall include a summary of daily quality control reports, all test results and two sets of as-built drawings.

No work performed under this Permit shall be considered complete until such engineer's certification has been submitted to and accepted by this Division. In the event that said certification is not received or is not accepted, the work shall be considered incomplete.

All certifications shall bear the raised seal of the licensed professional engineer, his signature and the date of certification. The certification shall include the following statement:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals under my supervision, I believe the submitted information is true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that, in addition to criminal penalties, I may be liable for a civil administrative penalty pursuant to N.J.A.C. 7:26-5 and that submitting false information may be grounds for denial, revocation or termination of any solid waste facility permit or vehicle registration for which I may be seeking approval or now hold."

26. Duration of Permit

This Permit shall be effective for a maximum period of five (5) years from the date of its last issuance. This Permit may be renewed at that time upon proper application, in accordance with procedures outlined in N.J.A.C. 7:26-2.7(b). Acceptance of municipal solid waste (Type 10) at the landfill is subject to an annual review by the Department of the report required by the Department's October 21, 1999 certification of the July 2, 1999 amendment to the Atlantic County District Solid Waste Management Plan referenced at condition I.7(3) of Section B of this permit. The report shall be submitted by October 21st of each year.

27. Right of Entry

The Permittee, by acceptance of this permit, hereby authorizes entry by Department representatives to make whatever inspections, searches, or examinations are deemed necessary by those representatives to determine the extent of compliance with any conditions of this Permit.

28. Operation Records

The Permittee shall maintain records of the facility's operations on a daily basis. Monthly summaries of the records shall be submitted by the Permittee to the Division of Solid and Hazardous Waste, Bureau of Recycling and Planning before the 20th day of each month following the month for which the information was recorded. The information shall include the following;

- (a) the tonnages and types of solid waste received by origin from each county (including municipality) and out-of-state source;
- (b) the tonnage of each waste type removed for disposal and the facility receiving the waste; and,
- (c) the tonnages, types (as described in Condition Number A.1 of this Permit) and origin (by county and municipality) of all recyclable materials shipped off site during the reporting period and the destination/market of such materials.

Where applicable, the information required to be recorded in the daily record shall be supplied by the transporter to the facility operator on the waste origin/disposal (O/D) form (or duplication of same). The O/D forms shall be kept by the Permittee for a minimum of one year, shall make them available for inspection by representatives of the Department, and shall be submitted to the Department upon request. The information provided on the daily records, O&D forms and monthly summary shall denote compliance with N.J.A.C. 7:26-2.13.

B. SANITARY LANDFILL

The engineering designs reflected in this Permit shall apply to Cells 3, 5, and the remaining proposed cells.

I. ENGINEERING DESIGNS AND STANDARD LANDFILL CONDITIONS

The following items reflect specific engineering designs for this facility and standard landfill conditions to operate in compliance with the most current sanitary landfill regulations:

1. DESIGN AND CONSTRUCTION

The landfill has had the following liner systems;

- (a) cells 1 and 2 consisted of a double composite liner system noted in the original permit dated March 18, 1992; and,
- (b) cell 4 consisted of a double liner system as noted in the permit renewal dated September 1, 1998.

In addition to a liner system, each cell design shall have a primary leachate collection system, secondary leachate/detection system, and a geomembrane capping system.

The following are the currently approved liner system for the proposed cells;

(A) Landfill Liner System Profile

The landfill liner system profile, in descending order, shall be as follows;

- i. a minimum of 18 inches of select granular material with a permeability of 1×10^{-2} cm/sec or greater;
- ii. 16 oz/sy non-woven geotextile;
- iii. primary geomembrane liner consisting of a textured high density polyethylene (HDPE) with a nominal thickness of 60 mils;
- iv. geosynthetic clay liner (GCL) with a permeability of 5.0×10^{-9} cm/sec or less;
- v. 6 oz/sy non-woven geotextile;
- vi. synthetic drainage net consisting of HDPE;
- vii. geomembrane consisting of 60 mil HDPE;
- viii. GCL with a permeability of 5.0×10^{-9} cm/sec or less
- ix. 16 oz/sy of non-woven geotextile; and,
- x. subbase of structural fill consisting of well-graded natural materials with a maximum particle size of three (3") inches.

The minimum slopes of the liner shall be 2% on controlling slopes and 0.5% on remaining slopes.

Specifications of the above items are as follows:

(1) Geosynthetic Clay Liner Specifications

The Geosynthetic Clay Liner (GCL) shall consist of reinforced Bentomat ST (Standard Product) for controlling slopes (2%) and unreinforced Claymax 600CL for slopes 0.5% or less. The GCL specifications shall at the minimum consist of the following;

- i. a layer of pure sodium bentonite encapsulated between a woven and non-woven geotextile which are needlepunched together;
- ii. a minimum of one pound of bentonite per square foot of geosynthetic material at 0% moisture content;
- iii. permeability of 5×10^{-9} cm/s or less;
- iv. shall demonstrate hydrated internal shear strength;
- v. thickness of a minimum 5 mm;
- vi. if free swell does occur it should do so without losing the GCL's structural integrity;
- vii. shall be delivered dry and shall remain dry during placement at the designated cells;
- viii. the GCL must not be exposed overnight and shall be covered immediately by the HDPE; and,
- ix. the underlying surface upon which the GCL is installed shall be smooth, free from any debris, firm, and dry.

Other GCL products maybe substituted provided the above specifications are adhered to and with the Department's approval. Seams and repairs shall use natural sodium bentonite as used in the GCL manufacturing process.

(2) Flexible Membrane Liner Specification

The flexible membrane liners shall consist of 60-mil high-density polyethylene (HDPE). The geomembrane liner shall be of high quality materials and shall meet the minimum requirements as outlined in the most recent version of the National Sanitation Foundation's publication "Standard Number 54 Flexible Membrane Liners". The geomembrane shall be compounded from first quality virgin materials. No regrinded or reprocessed materials containing encapsulated scrim shall be used in the manufacturing of the geomembrane. During field seaming, a destructive seam test sample shall be prepared for

every 500 feet (or as otherwise approved by the Division for that particular construction event) of field seam. All samples shall be tested for peel and shear strength. Seams shall be stronger than the liner.

All tests performed during the construction and installation of the landfill's liner system shall be in accordance with ASTM, AASHTO or equivalent methods and the approved QA/QC Plan. All test results shall be submitted to this Division along with a New Jersey Licensed Professional Engineer's certification in accordance with Condition A.24 (As-Built Certification) that the liner has been constructed in accordance with this Permit.

(B) Leachate Collection/Detection Systems and Disposal

The new cells shall have a primary and secondary leachate collection system with the following specifications:

i. Primary Leachate Collection System

The primary system shall consist of;

- (1) An 8-inch diameter perforated Schedule 80 PVC pipe placed along the center line of the cell with 4 inch diameter perforated Schedule 80 PVC pipe laterals perpendicularly spaced 100 feet center to center. The PVC pipes are to be surrounded by AASHTO #3 select coarse aggregate wrapped in woven geotextile.
- (2) A minimum of 18 inches of select granular material with a permeability of 1×10^{-2} cm/sec., or greater, underlain by a 16 oz/sy non-woven geotextile.
- (3) When the amount of leachate in any manhole reaches a level of 4 feet, the leachate will be pumped down to a level of 2 feet, as not to allow the leachate depth above the primary liner to exceed 1 foot.

ii. Secondary Leachate Collection/Detection System

The secondary system shall consist of the following;

- (1) a non-woven geotextile underlain by a HDPE synthetic drainage net;
- (2) a double layer of the synthetic drainage net shall be placed at locations underneath the primary collection laterals;
- (3) a 4-inch diameter perforated Schedule 80 PVC pipe placed along the center line of the cell; and,
- (4) the PVC pipes are to be surrounded by a minimum of 12 inches of AASHTO #57 coarse aggregate underlain by a 16 ounce/sy non-woven geotextile.

Prior to operation of any cell all manholes shall be tested for water-tightness in accordance with N.J.A.C. 7:26-2A.7(d)3xxi. The design, layout, and location of the leachate collection and detection system shall be designed as shown on the referenced engineering plans and report.

The leachate collection system shall be cleaned out annually (or as approved by the Division) to maintain proper flow.

(C) Final Cover Capping System (revision date July 8, 2002)

As specified in the referenced engineering plans and drawings, the final cover shall consist of the following capping system (in descending order):

- i. Plateau Area:
 - (1) **vegetation;**
 - (2) **12-inch layer of topsoil;**
 - (3) **6-inch layer of sand;**
 - (4) **geocomposite drainage layer consisting of an HDPE geonet with two non-woven geotextile heat bonded to each side;**
 - (5) **textured 40 mil Linear Low Density Polyethylene (LLDPE) geomembrane; and,**
 - (6) **12-inch soil subgrade layer.**
- ii. Sideslope Area with a maximum of 3:1 slope:
 - (1) **vegetation;**
 - (2) **12-inch layer of topsoil;**
 - (3) **6-inch layer of sand;**
 - (4) **geocomposite drainage layer consisting of an HDPE geonet with two non-woven geotextile heat bonded to each side;**
 - (5) **textured 40 mil Linear Low Density Polyethylene (LLDPE) geomembrane; and,**
 - (6) **12-inch soil subgrade layer.**

2. Ground and Surface Water Monitoring

The location, sampling and analyses of all ground water monitoring wells shall be in accordance with the approved New Jersey Pollutant Discharge Elimination System-DGW (NJPDES) Permit No. NJ0131911 for the landfill.

Ground water and surface water discharges at the landfill shall be in accordance with the approved NJPDES permit. Run-offs shall be discharged to sediment basins delineated in the engineering plans.

3. On-Site Baseline

In accordance with N.J.A.C. 7:26-2A.7(a)2, the on-site baseline consisting of two vertical and horizontal control monuments shall be maintained at the landfill.

4. Landfill Gas Monitoring

A methane gas survey shall be performed by ground probing on a quarterly basis around the perimeter of the buffer zone of active landfill area and annually around the entire perimeter of the buffer zone of the sanitary landfill. The results shall be submitted to the Bureau within thirty (30) days of testing. The Permittee shall notify the Bureau within twenty-four (24) hours if methane is detected at or above 25% of the lower explosive limit.

5. Landfill Service Capacity (revision date July 8, 2002)

The total area of the landfill, which includes the as-built cells and future cells, shall be approximately 77 acres. The landfill cells are currently designated as Cells 1,2,3,4,5,6,7,8,9,10. Disposal of waste shall be limited to this 77-acre area. Final elevations, including final cover, shall not exceed 145 feet above mean sea level (msl) for the entire landfill.

The air-space capacities of Cells 1 through 4 is to be increased by regrading the sideslopes to conform to a uniform 3H:1V and eliminating the sand wedge within the perimeter of said cells. The additional air-space are only to receive an additional 450,000 cubic yards of ID 13C (construction and demolition) wastes. This additional capacity shall be deducted from future landfill cell volume so that there is no net increase in the total capacity.

6. Construction Quality Assurance/Quality Control (QA/QC)

The Quality Assurance/Quality Control Plan as contained in the application shall be adhered to during all construction phases. Quality control inspectors shall be at the site during construction to ensure and verify that the design and permit requirements are properly implemented.

A quality assurance inspector approved by the Department shall be at the site during the initial construction phase of the subgrade preparation, liner system and leachate collection system. The inspector shall oversee the remainder of this work on a periodic basis as necessary. The quality assurance inspector shall conduct this work independent of the resident QA/QC team. The scheduled frequency of inspections by the independent quality assurance inspector may be reduced or discontinued by the Department in accordance with N.J.A.C. 7:26-2A.7(a)15.

At least 30 days prior to the start of construction, the quality assurance inspector shall meet with the Department to establish reporting procedures and frequency, in accordance with the construction schedule. Daily QA/QC reports shall be prepared and maintained in a logbook which shall be available at the job

site for inspection by the Department. All test results shall be included in the logbook.

The resident QA/QC team shall ensure that all Quality Assurance and Quality Control procedures are followed pursuant to Departmental guidelines as stated in the Solid Waste Management regulations, N.J.A.C. 7:26-1 et seq., in the construction of the landfill.

7. Engineering Designs and Documents of Record (revision date July 8, 2002)

The construction and operation of the landfill shall be in accordance with the provisions of N.J.A.C. 7:26-1 et seq., and the following reports and engineering designs with the most current revisions first;

- (1) engineering report with updated supporting documentation for sideslope regrading as prepared by Mr. Mark A. Swyka, of EMCON/OWT, Inc., dated June 4, 2002;
- (2) transmittal letter from Mr. James R. Rutala dated April 10, 2002 requesting permit modification and enclosed with;
 - i. engineering report with supporting documentation for sideslope regrading and final cover system prepared and signed and sealed by Mr. Mark A. Swyka, of EMCON/OWT, Inc., dated April 2002 with the enclosed signed and sealed drawings;
 - (a) drawing entitled "Grading Plan";
 - (b) drawing entitled "Details"; and,
 - (c) drawing entitled "Downdrain Energy Dissipator Details".
- (3) letter with revisions to the Operations and Maintenance Manual dated November 16, 1999 signed by Mr. James Rutala, of ACUA (revisions to Table of Contents and addition of Appendix H);
- (4) letter dated October 26, 1999 from Mr. James Rutala, of ACUA, with enclosed document entitled "Shutdown Procedure";
- (5) document entitled "Certification of the July 2, 1999 Amendment to the Atlantic County District Solid Waste Management Plan" signed by Commissioner Robert C. Shinn, Jr. and dated October 21, 1999;
- (6) "Final Operation and Maintenance Manuals for The ACUA Landfill and Transfer Station - Atlantic County, New Jersey - Facility No. 0108N - July

1992 - (Revised: October 1996)-(Revision 1: July 7, 1998)-(Revision 2: June 15, 1999) - Volume 1 Of 2";

- (7) letter dated July 26, 1999 from Mr. Eugene Petitt, P.E., P.P., enclosed with a drawing entitled "Leachate Manhole Details" Drawing No. C3C-8 dated May 24, 1999;
- (8) report prepared for Atlantic County Utilities Authority by the Atlantic County Utilities Authority's Department of Engineering and entitled "Engineering Design Report - 1999 Minor Permit Modification for Atlantic County Landfill - Atlantic County, New Jersey - Facility No. 0108N - May 1999";
- (9) enclosed with the above is a Solid Waste Facility Permit Application Form signed by Mr. Richard Dovey, President, of ACUA dated May 5, 1999 and a Professional Engineer's certification statement signed and sealed by Mr. Eugene Petitt, New Jersey Professional Engineer No. 28505, dated May 11, 1999;
- (10) a set of drawings numbered from PM-1 through PM-5 and entitled "ACUA - Atlantic County Utilities Authority - 1999 Minor Permit Modification Cells 3 and 5 - Revision #1: Revised 6-29-99" signed and sealed by Mr. Eugene Petitt;
- (11) report entitled "Engineering Design Report - 1997 Permit Modifications and Renewal for Atlantic County Limited Use Landfill - Atlantic County, New Jersey - Facility No. 0108N - October 1996" enclosed with a Solid Waste Facility Permit Application Form signed by Mr. Richard Dovey, President, of ACUA dated October 15, 1996;
- (12) also enclosed with the above report is the Professional Certification signed and sealed by Mr. Greg W. Banner, N.J. Professional Engineer's License No. GE37216;
- (13) a set of drawings numbered LF-E1 through LF-E44 and entitled "1997 Permit Modification and Renewal - Atlantic County Limited Use Landfill - Atlantic County, New Jersey" with the title sheet signed and sealed by Mr. Greg W. Banner, of SE Technologies, N.J. License No. GE37216 dated December 31, 1996;
- (14) report entitled "Engineering Design Report - 1997 Permit Modifications and Renewal for Atlantic County Limited Use Landfill - Atlantic County, New

Jersey - Facility No. 0108N - October 1996
(Revision 1: March 20, 1998)"; and,

- (15) revised drawings for drawings LF-E12, LF-E14, and LF-E16 signed and sealed by Mr. Greg W. Banner, of SE Technologies, N.J. License No. GE37216 dated March 20, 1998.

In case of conflict, the design revisions and conditions of this Permit shall supersede the earlier engineering designs.

II. OPERATIONS, MAINTENANCE AND MONITORING

1. Final Operation and Maintenance Manual

The operation and maintenance of the landfill shall follow the "Final Operations and Maintenance Manual" in the documents of record. References to other manuals shall not be used in place of a full listing of O & M Manual procedures.

2. Inspection, Operation and Maintenance Schedules

All items noted below are to be performed and submitted by the Permittee unless otherwise indicated.

i. The following shall be performed on a daily basis:

- (a) Record leachate flows in the primary and secondary collection systems
- (b) Inspect leachate-pumping systems
- (c) Inspect leachate storage tank
- (d) Inspect methane gas recovery systems and flare
- (e) Police buffer zone and site entrance for litter
- (f) Record precipitation data from the meteorological monitoring system
- (g) Inspect storm water sedimentation and detention basins
- (h) Inspect truck scale for debris, ice damage
- (i) Inspect daily and intermediate cover
- (j) Perform bird survey and monitoring pursuant to the Operations and Maintenance Manual

ii. The following shall be performed on a weekly basis:

- (a) Inspect all environmental control systems
- (b) Inspect ground water monitoring wells for damage
- (c) Check leak detection system pipes and manholes
- (d) Inspect the cover and drainage swales
- (e) Inspect leachate collection pipes, manholes and cleanout risers
- (f) Inspect pump station equipment and force main
- (g) Check site lighting

iii. The following shall be performed after every storm events:

- (a) Inspect all environmental control systems

- (b) Inspect sedimentation and detention basins and surface runoff structures
- (c) Inspect leachate collection pipes, manholes and cleanout risers
- (d) Inspect pump station equipment and force main
- (e) Inspect the cover and drainage swales

- iv. The following shall be performed on a quarterly basis:
 - (a) Conduct methane gas survey around perimeter of the buffer zone of active landfill areas
 - (b) Inspect portable fire extinguishers
 - (c) Conduct bird task force meeting
- v. The following shall be performed on an annual basis:
 - (a) Perform topographic survey of landfill
 - (b) Submit the report required by the Department's October 21, 1999 certification of the July 2, 1999 amendment to the Atlantic County District Solid Waste Management Plan referenced at condition I.7(3) of Section B of this Permit, which shall include but not be limited to the following: the year's result of the landfilling of municipal solid waste; a summary of the bird survey and monitoring; the effectiveness of the bird deterrent plan; and a conclusion and recommendation regarding the bird deterrent plan and the bird survey and monitoring
 - (c) Inspect leachate storage tank for leaks
 - (d) Conduct methane gas survey around perimeter of the buffer zone of the sanitary landfill
 - (e) Inspect and test leachate collection pipes
 - (f) Inspect emergency equipment
- vi. The following shall be performed biennially:
 - (a) Survey the baseline vertical and horizontal control monuments
 - (b) Overhaul leachate-pumping system
 - (c) Overhaul methane gas pumping system
 - (d) Update Closure and Post-Closure Financial Plan

In addition to the above, inspection, operation and maintenance of other aspects of the landfill shall be performed, as necessary, in order to meet the terms of this Permit and all applicable regulations.

The Permittee shall record the results of the inspections in a logbook that shall be maintained at the sanitary landfill office and be available, at all times, for inspection by the Department. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations and recommendations, and the date and nature of any repairs or other remedial action.

3. Waste Disposal Methods (revision date July 8, 2002)

The working face shall be confined to the smallest practical area, as is consistent with the proper operation of trucks and equipment, in order that the area of waste material exposed during the operating day is minimized. The maximum working face width shall not exceed 150 feet. At no time shall the area of exposed waste be greater than 15,000 square feet. The lift height of a daily cell, including cover soil, shall not exceed

12 feet. Waste shall be compacted in two-foot layers. Bulky waste and any sharp or penetrating objects shall not be disposed of in the first four feet of the initial lift.

The additional wastes landfilled in Cells 1 through 4 shall be limited to Type 13C (i.e. construction and demolition) wastes. No other waste types are to be landfilled within the aforementioned cells without Departmental approval.

4. Cover Requirements

Daily and intermediate cover shall be of the types that can be workable under all weather conditions. A sufficient quantity of cover material shall be available at all times to ensure proper operation of the landfill. At the end of each day, at least 6 inches of soil or alternative cover material as approved by the Department, as daily cover, shall be placed on areas of the solid waste working face that will be exposed for less than 24 hours. Intermediate cover, which shall consist of at least 12 inches of soil, shall be applied to all surfaces exposed for any period exceeding 24 hours.

5. Surface Water Control

The grade and thickness of cover material on all surfaces of the facility shall be maintained regularly so as to prevent the occurrence of ponding of water anywhere on the active landfill area except in designated storm water control ponds. All provisions of the drainage plans as indicated in the approved engineering design shall be implemented. The channels and drainage structures shall be regularly maintained. Any drainage from the active landfill area shall be such as not to cause siltation.

6. Closure and Post-Closure Plan (revision date July 8, 2002)

The revised final grading plans presented in Condition B. SANITARY LANDFILL under the heading I. ENGINEERING DESIGNS AND STANDARD LANDFILL CONDITIONS subheading 7. Engineering Designs and Documents of Record items (1) and (2) are now in effect. Any changes to said grading plan will require Departmental Approval. The Permittee shall comply with the requirements of N.J.A.C. 7:26-2A.9 for the closure and post-closure care of this facility. Failure to comply with the requirements of any closure plan approval issued from the Department may result in the revocation of this Permit.

7. Summary of Required Submittals

The following reports and/or information shall be submitted to the Bureau of Landfill & Recycling Management, Division of Solid and Hazardous Waste:

<u>Document</u>	<u>Due Date</u>
i. Perimeter gas monitoring results	Quarterly
ii. Daily precipitation summary	Quarterly
iii. Report of bird counts and survey	Quarterly
iv. Leachate flow measurements	Semiannually
v. Topographic survey	Annually (before May 1 st)
vi. Annual report	Annually (before October 21 st)
vii. Closure and Post-Closure Financial Plan update)	Biennially (two year

C. TRANSFER STATION/ MATERIALS RECOVERY FACILITY (TS/MRF)

1. Referenced Engineering Plans and Reports

The construction and operation of this facility shall be in accordance with the provisions of N.J.A.C. 7:26-1 et. seq. the conditions of this Permit and the submissions specified as follows:

- (a) "Consolidated Permit Application Form (CP#1), Construction and Discharge Related Permits" with "Solid Waste Supplement to Standard Application Form CP#1" dated March 14, 1995.
- (b) "Environmental and Health Impact Statement, Proposed Transfer Station, Egg Harbor Township, Atlantic County, New Jersey", prepared by Hart Engineers, Inc., Pittsburgh, PA, dated August 1989, revised in February 1990.
- (c) "Traffic Impact Analysis" prepared and signed by Eugene L. Petitt, P.E., NJ License No. 28505, dated 9-16-93.
- (d) "Final Operations and Maintenance Manuals for The Limited Use Landfill and Transfer Station, Atlantic County, New Jersey, Facility No. 0108N and 0108000027; Volume 2 of 2 (Transfer Station), December, 1990 (Revised: July, 1992 and February, 1997). Prepared by McLaren/Hart Environmental Engineering Corporation; revised by Atlantic County Utilities Authority.
- (e) Document entitled "Solid Waste Facility Permit Renewal for ACUA Transfer Station/Material Recovery Facility #0108000027, Egg Harbor Township, Atlantic County. Response to NOD, February 21, 1997".
- (f) As-Built certification consisting of the engineering drawings (record drawings A1, A2, A3, SC1, SC5, A11, A-12) provided by Aziz K. Mureebe, P.E., Vice President, Wehran Engineering Corporation, N.J.P.E. License Number 26138 and dated July 9, 1990.
- (g) A set of 3 drawings (record drawings TS-E1, E-2 and E-3) prepared by Hart Engineers, Inc. and on file with the Bureau of Hazardous Waste and Transfer Facilities.
- (h) A set of 4 drawings (record drawings 4, 4, 6 and 8) prepared by Fellows, Read and Associates, Inc., signed and sealed by J.E. Rosenkrantz, N.J.P.E. License Number 18725.
- (i) Drawing TS-E5, Site Plan dated 9-14-90 with latest revision on 7/29/92 signed and sealed by Thomas R. Ganard, P.E., N.J.P.E. license Number 35261.
- (j) The following drawings for the proposed Bulky Waste Recycling Facility, prepared by Mark P. Neisser of JCA Associates, Inc., P.E. License 29258 with latest date as shown:
 - i. Cover Sheet.

- ii. Site Plan, Drawing C1 dated 2/11/94 with latest revision on 7/22/94.
- iii. Grading and Utility Plan, Drawing C2 dated 2/11/94 with latest revision on 7/22/94.
- iv. Floor Plan, Drawing A1 dated 2/11/94.
- v. Equipment Elevations, Drawing A2 dated 2/11/94.
- vi. Building Elevations and Cross Section, Drawing A3 dated 2/11/94.

In case of conflict, the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs, and the conditions of this Permit shall supersede those of the engineering design report, environmental and health impact statement, and the TS/MRF's operation and maintenance manual.

2. Recyclables Inspection Plan

The Permittee shall implement the Recyclables Inspection Plan described in the Operation & Maintenance Manual referenced in Condition Number C.1d of this Permit. The Plan identifies the type of designated recyclable in Atlantic County for each sector (i.e., residential, commercial, institutional) and describes the procedures to be taken by the Permittee to notify the municipal recycling coordinator whenever a hauler delivers waste loads containing more than ten (10) percent designated recyclable materials.

The Division of Solid and Hazardous Waste reserves the right to revise (as necessary) the above recyclable inspection plan.

3. Operations and Maintenance Manual

The Permittee shall maintain and have available for use at the facility, at all times, a copy of the final Operations and Maintenance (O and M) Manual referenced at Condition C.1d of the Permit which is being approved herein for the current operations. Any subsequent changes to be made to the above manual by the Permittee shall not be implemented until approved by the Department.

4. Waste Acceptance and Processing Rate

At no time shall recyclables and/or wastes be delivered to the TS/MRF at a rate exceeding the TS/MRF's capacity to store and process same. The TS/MRF is permitted to accept, process or transfer solid waste and recyclables at a rate of no more than 1950 tons per day. The loading of wastes into the transfer trailers designated for the landfill shall occur during the landfill operating hours. Deposition of the waste is allowed in only those areas within the building identified in the design

for such purposes. No solid waste shall be deposited beyond the confines of the building.

The storage of any recyclable material or other specially categorized wastes is only allowed in containers to be located within the tipping floor as identified in the documents referenced in Condition Number C.1 of this Permit.

5. Waste Retention Time

No solid waste shall be allowed to remain on the tipping floor overnight. Covered loaded trailers may be staged inside the transfer station building during weekends and/or holidays until the next business day. The facility's Air Pollution Control system shall be used as necessary to prevent odors associated with this activity.

6. Materials Recovery Operations

The materials recovery operations at the TS/MRF shall meet the following criteria:

- (a) In accordance with the solid waste facility application listed at Condition C.1 (Referenced Engineering Plans and Reports), the Permittee shall recover from daily receipts and store within the TS/MRF as appropriate all types of Class A and/or Class B recyclable materials. The Permittee may store these materials on site for ultimate transportation to a recycling center as defined in N.J.S.A. 13:1E-99.13, N.J.A.C. 7:26-1.4 or to final market destination. All other solid waste residue must be cleared from the TS/MRF daily, as per Condition C.5 (Waste Retention Time) of this Permit.
- (b) Each material recovered shall be stored within the tipping floor in containers. Additionally, covered containers full of recyclable materials may be staged at the existing paved loading dock area as depicted on the approved engineering design drawings and as explained in the documents submitted in support of this Permit referenced in Condition C.1 (Referenced Engineering Plans and Reports).
- (c) Any source separated recyclable loads tipped on the tipping floor shall be kept separate from solid waste.
- (d) Unauthorized or hazardous waste detected and removed from the solid waste shall be handled in accordance with the Condition A.7 (Unauthorized Waste) of this permit.
- (e) The TS/MRF shall maintain contracts or letters of agreement with approved recycling centers or final market destinations, where required, or shall use spot markets for the disposition of all recovered materials. The Department shall be notified by the Permittee within one week of changes in the status of existing contracts or of

the addition of any new contracts for the disposition of recoverable materials including the utilization of any spot markets. Such notice shall include documentation of the changed status or a copy of the new contract.

- (f) The Department reserves the right to amend this Permit to further restrict operations, impose monitoring requirements, prohibit specific waste types or impose additional time limitations on the storage of waste or recovered materials.

7. Bird Control Plan

The Permittee shall implement the proposed Bird Control Plan included in the documents referenced in Condition C.1 of this Permit in conjunction with the following:

- (a) All vehicles transporting waste to and from the facility's building shall pass throughout inbound and outbound vestibules. The set of two (2) steel doors may remain open during daily operations provided that the following features are in place and functional:
 - i. Plastic stripping at each vestibule;
 - ii. Overhead Wire Grid System at each entrance and exit door; and
 - iii. A pyrotechnic pistol is available at the facility.
- (b) The loading dock doors shall remain closed at all times except when closed top trailers are in a loading position at the doors and are ready to accept waste. Trailers shall attain airtight sealing as described in the documents on file with the Department.
- (c) All open top trailers being loaded within the tipping floor shall be completely covered with tarpaulins prior to exiting the facility's tipping floor.
- (d) Exterior lighting fixtures shall produce a light that is yellow to red in color.
- (e) An effective negative air pressure shall be maintained within the building at all times of facility operation. The air pollution equipment installed shall comply with all air pollution control equipment regulations and conditions included in the Air Permit issued by the Division of Air Quality.
- (f) All vehicles transporting solid waste to and from the facility shall be completely covered when entering/exiting the facility main gates. Any vehicle entering the facility improperly or not covered shall not be allowed to pass through the scalehouse.
- (g) All roadways and truck queuing areas outside the transfer station building, inbound and outbound vestibule sections,

and the truck maneuvering area shall be maintained free of litter and debris at all times by implementing the housekeeping procedures described in the EHIS and O & M manual.

- (h) In the event any of the above physical features installed at the facility for the express purpose of deterring birds from the facility fails or become inoperative, the operation shall cease immediately at the failed location. All necessary repairs shall be carried out before the regular transfer operation commences at the affected location. Under no circumstances shall the bird control system be bypassed.

In the event of emergency situations such as waste spillage, hot loads, etc., the contingency plans developed and described in the O AND M manual shall be implemented. The Department reserves the right to require the Permittee to include additional physical features upon Departmental approval, to ensure that the Bird Control Plan remains effective or revoke this Permit if the plan becomes ineffective.

8. Wastewater and Stormwater Disposal

All wastewater resulting from the operation, washdown of the concrete tipping floor, equipment, vehicles, truck maneuvering area and vestibules shall be directed to an oil/water separator via the floor drains and thence discharged directly into the sanitary sewer.

Stormwater from the paved areas and roof shall be directed to two detention basins prior to discharge into Jarrets Run Creek.

The Permittee shall comply with all of the requirements set forth in the NJPDES/DSW Permit number NJ0070211 issued by the Department for the Discharge of the stormwater runoff.

9. Final Disposal

Pursuant to this Permit, the requirements of the Solid Waste Management Act and its implementing regulations at N.J.A.C. 7:26-6.1 et seq., the point of generation of all waste received, handled and/or processed at the facility shall be the physical source and the county solid waste management district from which the waste entering the facility originates. The permittee shall not be considered the generator of any of the solid waste which, after processing, is to be disposed. All solid waste processed at this facility other than those materials collected for transportation to a recycling center or final market destination, shall be disposed of consistent with the relevant District Solid Waste Management Plan and in accordance with N.J.A.C. 7:26-1. et. seq.. The facility shall maintain records as per Condition A-24 (Operations Record) of this Permit in order to document compliance with this requirement.

10. Bulky Waste Facility

The Department hereby approves the construction of the Bulky Waste Facility as proposed and submitted in the documents referenced in Condition C.1 of this Permit. Sixty (60) days prior to start up any construction activity the Permittee shall submit to the Division of Solid & Hazardous Waste a construction schedule for approval.

Failure to comply with any or all limitations heretofore mentioned will result in the Department seeking relief under the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq. Specifically, each day of failure to so comply shall constitute a separate violation on the basis of which a penalty shall be assessed and may result in loss of operating authority, pursuant to N.J.S.A. 13:1E-12.

The issuance of this Permit and the conditions of operation identified herein shall not be interpreted as relieving the Permittee of his responsibility to secure and maintain all other applicable federal, state, and local permits or similar forms of authorization relating to the construction and operation of this facility.